PERIODIC TABLE TRENDS

1. a) Who was Dmitri Mendeleev?  
     
   b) What was his contribution to chemistry?  
     
   c) Name the 5 properties of elements he used.
2. Explain how a modern periodic table is organized.

3.a) On the first periodic table on the reverse, colour and label each of the following: (p 193)

* colour noble gases blue
* colour halogens green
* colour hydrogen red
* colour alkali metals purple

- colour alkali earth metals brown

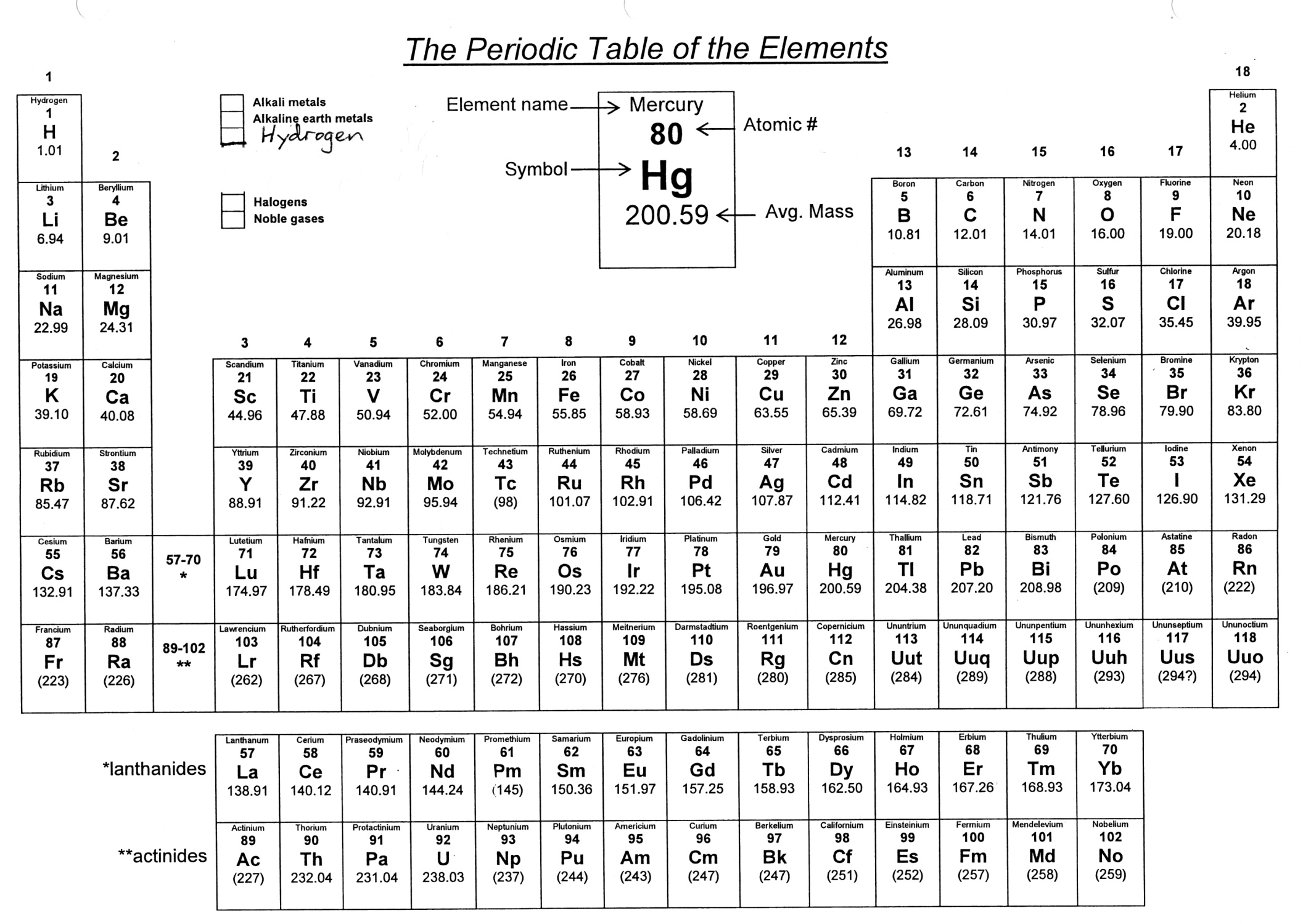
b) Complete the following chart about the **groups** on the periodic table.

|  |  |  |  |
| --- | --- | --- | --- |
| **GROUP** | **LOCATION ON PERIODIC TABLE** | **PROPERTIES - REACTIVITY** | **EXAMPLE AND/OR SPECIAL FEATURE** |
| METALS  P 180 |  |  |  |
| METALLOIDS  P 181 |  |  |  |
| HYDROGEN  P 184 |  |  |  |
| ALKALI METALS  P 194 |  |  |  |
| HALOGENS  P 194 |  |  |  |
| NOBLE GASES  P 195 |  |  |  |

4. On the second periodic table on the reverse:

* colour the metals green
* draw the step line dividing metals from non-metals in black
* colour the metalloids yellow
* colour the non-metals including the noble gases and hydrogen blue
* draw the **step line** between the metals and non-metals (in the middle of the metalloids)

Question # 3



Question # 4

